

**Hewlett-Packard Company**

Intellectual Property Administration  
P.O. Box 272400  
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Fort Collins, CO 80527-2400

PATENT APPLICATION

Attorney Docket No: 10016387-1

*X. J. Dms*  
*#5/A*  
*4/22/03*



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Marshall et. al

Serial No.: 09/916,408

Examiner: Deb, Anjan K.

Filing Date: July 27, 2001

Group Art Unit: 2858

Title: Dual Switching Reference Voltages

**AMENDMENT**

THE COMMISSIONER OF PATENTS  
Washington, DC 20231

Sir:

In response to the Office Action mailed December 10, 2002, please amend the application as follows:

IN THE SPECIFICATION:

Please amend the ABSTRACT to read as follows:

RECEIVED  
APR 21 2003  
TECHNOLOGY CENTER 2800

Two reference voltages and two differential receivers are used to detect low-to-high and high-to-low transitions on an input signal and set a received signal output. One reference voltage is set near but under the electrical high voltage level and the other is set near but above the electrical low voltage level. The reference voltage that is closest to the input signal is designated as the active reference voltage. When the input signal crosses the active reference voltage digital value of the received signal output is changed. When the input signal then crosses the inactive reference voltage, the inactive reference voltage is made the active reference voltage. A dead-time is then waited where input